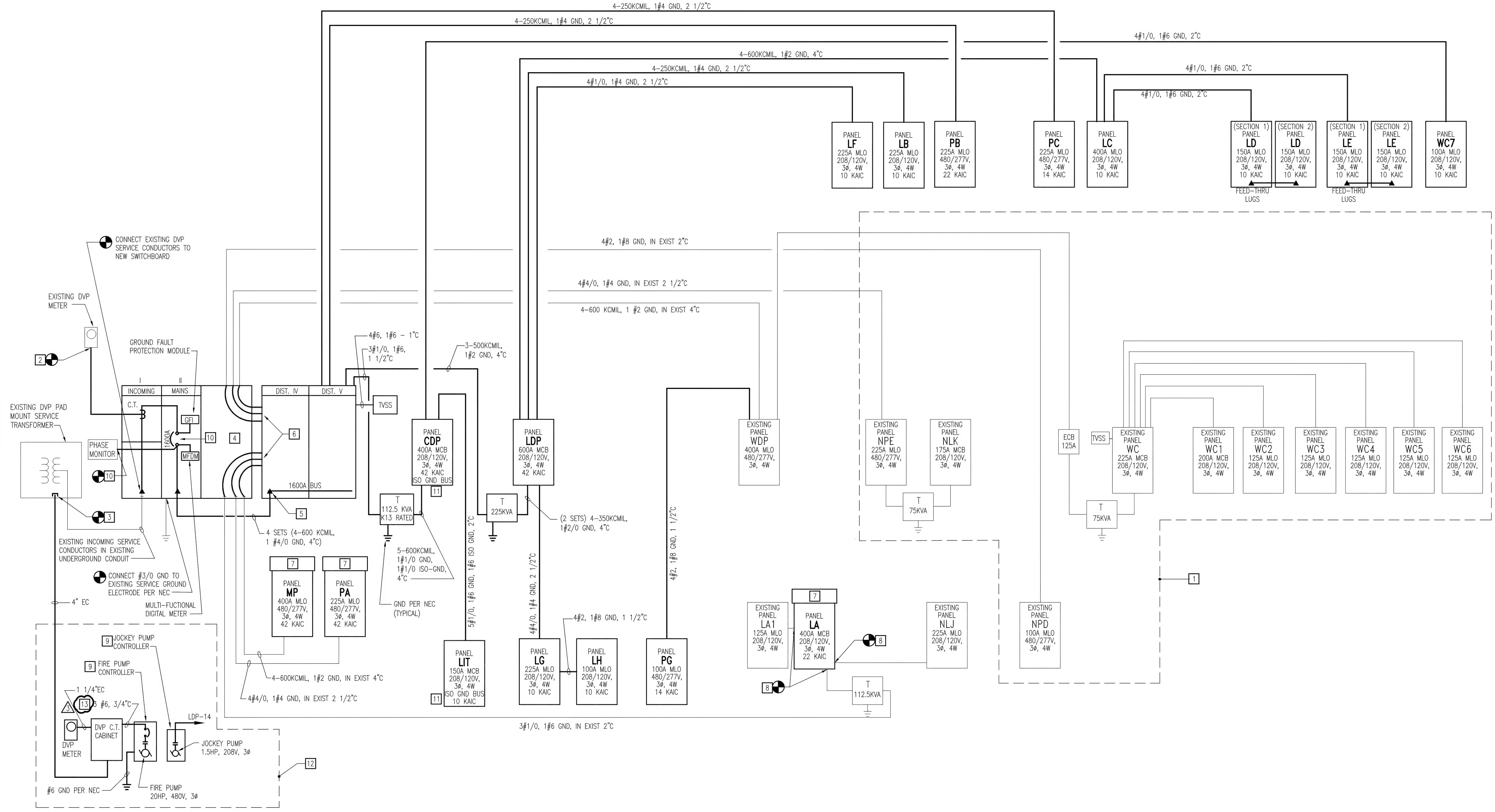

POWER RISER DIAGRAM - NEW WORK

NO SCALE

NOTES THIS SHEET

1. EQUIPMENT SHOWN TO ILLUSTRATE COMPLETE ELECTRICAL SYSTEM AND ASSOCIATED EXISTING FEEDER CONNECTIONS.
2. PROVIDE 1 1/4" E.C. AND CONNECT TO EXISTING DVP METER.
3. PROVIDED CONDUIT AS INDICATED FOR NEW FIRE PUMP FEEDER CONNECTION TO SECONDARY COMPARTMENT OF EXISTING DVP TRANSFORMER. COORDINATE ALL REQUIREMENTS WITH DVP.
4. PROVIDE FULL-HEIGHT PULL BOX SECTION FOR PULLING OF FEEDERS FROM EXISTING PANELS TO BREAKERS IN NEW SWITCHBOARD SECTIONS. COORDINATE WITH MAIN SWITCHBOARD 'MSB' SCHEDULE.
5. CONNECT TO 1600A BUS OF SWITCHBOARD DISTRIBUTION SECTIONS.
6. COORDINATE EXTENSION/CONNECTION OF FEEDERS WITH MAIN SWITCHBOARD 'MSB' SCHEDULE
7. PROVIDE 8"H X WIDTH AND DEPTH AS REQUIRED PULL BOX ON TOP OF NEW PANELBOARD IN SAME LOCATION OF FORMER EXISTING PANEL TO FACILITATE EXTENSION OF EXISTING BRANCH CIRCUIT WIRING TO NEW BREAKERS. LOCATE PANEL'S BOTTOM ON TOP OF EXISTING BRANCH CIRCUIT AND/OR FEEDER CONDUIT.
8. CONNECT EXISTING PANEL FEEDERS TO NEW PANEL AS INDICATED. COORDINATE WITH PANELBOARD SCHEDULES.
9. FIRE PUMP CONTROLLER AND JOCKEY PUMP CONTROLLER ARE PROVIDED WITH FIRE PUMP.
10. SHUNT TRIP MAIN CIRCUIT BREAKER. CONNECT TO EXISTING PHASE MONITOR.
11. PROVIDE 200% NEUTRAL BUS
12. CONTRACTOR SHALL CONNECT/INSTALL IN ACCORDANCE WITH NEC ART 695.6 A & C.
13. CONDUIT SHALL BE ENCASED IN 2" CONCRETE PER NEC ART 695.6 A & C.

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WARSAW + GLENNS, VIRGINIA
PC: 260-17712

WARSAW CAMPUS ELECTRICAL POWER RISER DIAGRAM

Date: APRIL 21, 2010

REVISIONS	
NO.	DATE
1	FEBRUARY 9, 2010
2	MARCH 3, 2010
3	APRIL 21, 2010

COMMONWEALTH OF VIRGINIA
JAMES S. BEDOIS
Lic. No. 032929
4-21-10
PROFESSIONAL ENGINEER

Sheet
E5.2W
File Number